

AMENDMENTS TO THE CLAIMS

CLAIMS 1-12 (Cancelled)

13. (New) A data communication control system comprising: recording means for recording a program or data; and data communication controlling means for causing a user terminal to execute the program recorded in said recording means through a communication line, or for downloading the recorded program or data to the user terminal, comprising:

code train issuing means for issuing a code train and also for transmitting said code train to said data communication controlling means;

code train receiving means for receiving the code train transmitted from said user terminal through the communication line;

code train judging means for judging whether or not said received code train conforms with predetermined condition corresponding to said issued code train; and

authorizing means for authorizing the user terminal that transmitted said code train to execute said program, continue the program being executed, download the program, or download data, when said received code train conforms with said predetermined condition.

14. (New) The data communication control system as set forth in claim 13, wherein said program is a program that starts or continues according to points associated with the user, and

said authorizing means changes said points depending on said code train when execution of said program or continuation of the program are authorized.

15. (New) The data communication control system as set forth in claim 14, further comprising:

point managing means for associating identification information for identifying the user operating said user terminal or the user terminal with points of said user or user terminal identified by said identification information and records them;

code train information managing means for associating the code train with the points and records them; and

extracting means for extracting the points associated with the code train received from said user terminal, from said code train information managing means;

wherein said authorizing means change the points associated with said identification information by said point managing means based on the points extracted by said extracting means when execution of said program, continuation of the program being executed, downloading of the program, or downloading of the data are authorized.

16. (New) The data communication control system as set forth in claim 15, further comprising code train generating means for generating a code train based on said identification information,

wherein said point managing means associates the identification information, the code train generated based on said identification information and the points.

17. (New) The data communication control system as set forth in claim 16, wherein said point managing means associates a history of the code train related to the change of the points with the identification information and records them, and determines said predetermined condition based on the history recorded in association with said identification information.

18. (New) The data communication control system as set forth in claim 17, wherein said point managing means records data related to available period associated with the code train; and determines said predetermined condition, based on the data related to the available period recorded in association with said code train.

19. (New) The data communication control system as set forth in claim 18, further comprising:

attribute information requesting means for causing said user terminal to input attribute information indicative of attributes of the user identified by the identification information and to transmit the inputted attribute information, and

means for recording said attribute information in association with the identification information in said point managing means, when receiving from said user terminal the attribute information indicative of the attributes of the user identified by the identification information; and privilege granting means for granting a privilege to the user identified by the identification information recorded in association with the attribute information when the points recorded in association with said point managing means satisfy a predetermined numeric condition.

20. (New) A data communication control system comprising: recording means for recording a program or data; a first server capable of notifying a code train to a user terminal through a communication line; and data communication controlling means for allowing the program or data recorded in said recording means to be executed from the user terminal via the communication line, or for causing said user terminal to download the recorded program or data, comprising:

code train receiving means for receiving the code train transmitted from said user terminal through the communication line;

code train judging means for judging whether said received code train conforms with a predetermined condition corresponding to the code train notified to a user terminal by said first server; and

authorizing means for authorizing said user terminal that transmitted said code train to execute said program, continue the program being executed, download the program or download the data, when said received code train conforms with said predetermined condition.

21. (New) The data communication control system as set forth in claim 20, wherein said program is a program that starts or continues according to points associated with the user, and

said authorizing means changes said points depending on said code train when execution of said program or continuation of the program are authorized.

22. (New) The data communication control system as set forth in claim 21, further comprising:

point managing means for associating identification information for identifying the user operating said user terminal or the user terminal with points of said user or user terminal identified by said identification information and records them;

code train information managing means for associating the code train with the points and records them; and

extracting means for extracting the points associated with the code train received from said user terminal, from said code train information managing means;

wherein said authorizing means change the points associated with said identification information by said point managing means based on the points extracted by said extracting means when execution of said program, continuation of the program being executed, downloading of the program, or downloading of the data are authorized.

23. (New) The data communication control system as set forth in claim 22, further comprising code train generating means for generating a code train based on said identification information,

wherein said point managing means associates the identification information, the code train generated based on said identification information and the points.

24. (New) The data communication control system as set forth in claim 23, wherein said point managing means associates a history of the code train related to the change of the points

with the identification information and records them, and determines said predetermined condition based on the history recorded in association with said identification information.

25. (New) The data communication control system as set forth in claim 24, wherein said point managing means records data related to available period associated with the code train; and determines said predetermined condition, based on the data related to the available period recorded in association with said code train.

26. (New) The data communication control system as set forth in claim 25, further comprising:

attribute information requesting means for causing said user terminal to input attribute information indicative of attributes of the user identified by the identification information and to transmit the inputted attribute information, and

means for recording said attribute information in association with the identification information in said point managing means, when receiving from said user terminal the attribute information indicative of the attributes of the user identified by the identification information; and privilege granting means for granting a privilege to the user identified by the identification information recorded in association with the attribute information when the points recorded in association with said point managing means satisfy a predetermined numeric condition.

27. (New) A data communication control system comprising: recording means for recording a program or data; a first server capable of transmitting a code train to a user terminal through a communication line; and data communication controlling means for allowing said user

terminal to execute the program or data recorded in said recording means, or for downloading the program from said recording means to said user terminal, comprising:

means for, by preliminarily downloading, causing said user terminal to execute a management program that causes said user terminal to receive and record the code train transmitted from said first server, and to transmit said recorded code train to a predetermined destination from said user terminal;

code train receiving means for receiving the code train transmitted from said user terminal via the communication line;

code train judging means for judging whether or not said received code train conforms with the predetermined condition corresponding to the code train transmitted to a user terminal from said first server; and

authorizing means for authorizing said user terminal that transmitted said code train to execute said program, continue the program being executed, download the program, or download the data, when said received code train conforms with said predetermined condition.

28. (New) The data communication control system as set forth in claim 27, wherein said program is a program that starts or continues according to points associated with the user, and

said authorizing means changes said points depending on said code train when execution of said program or continuation of the program are authorized.

29. (New) The data communication control system as set forth in claim 28, further comprising:

point managing means for associating identification information for identifying the user operating said user terminal or the user terminal with points of said user or user terminal identified by said identification information and records them;

code train information managing means for associating the code train with the points and records them; and

extracting means for extracting the points associated with the code train received from said user terminal, from said code train information managing means;

wherein said authorizing means change the points associated with said identification information by said point managing means based on the points extracted by said extracting means when execution of said program, continuation of the program being executed, downloading of the program, or downloading of the data are authorized.

30. (New) The data communication control system as set forth in claim 29, further comprising code train generating means for generating a code train based on said identification information,

wherein said point managing means associates the identification information, the code train generated based on said identification information and the points.

31. (New) The data communication control system as set forth in claim 30, wherein said point managing means associates a history of the code train related to the change of the points with the identification information and records them, and determines said predetermined condition based on the history recorded in association with said identification information.

32. (New) The data communication control system as set forth in claim 31, wherein said point managing means records data related to available period associated with the code train; and determines said predetermined condition, based on the data related to the available period recorded in association with said code train.

33. (New) The data communication control system as set forth in claim 32, further comprising:

attribute information requesting means for causing said user terminal to input attribute information indicative of attributes of the user identified by the identification information and to transmit the inputted attribute information, and

means for recording said attribute information in association with the identification information in said point managing means, when receiving from said user terminal the attribute information indicative of the attributes of the user identified by the identification information; and privilege granting means for granting a privilege to the user identified by the identification information recorded in association with the attribute information when the points recorded in association with said point managing means satisfy a predetermined numeric condition.

34. (New) A communication system which is used for providing services, and comprises a service server capable of communicating with a user terminal through a communication line; and code train issuing means for issuing a code train and also transmitting said code train to said service server, comprising:

code train receiving means for receiving the code train transmitted from said user terminal through the communication line;

code train judging means for judging whether or not said received code train conforms with the predetermined condition corresponding to said issued code train; and

authorizing means for authorizing the user terminal that transmitted said code train to provide services or continue services being provided, when said received code train conforms with said predetermined condition.

35. (New) A service providing method which uses a service server used for providing services, and code train issuing means for issuing a code train and also for transmitting said code train to said service server, and provides services to a user terminal that communicates with said service server through a communication line, comprising the steps of:

issuing the code train and also transmitting said code train to said service server;

receiving the code train transmitted from said user terminal, through the communication line;

judging whether or not said received code train conform with the predetermined condition corresponding to said issued code train; and

authorizing the user terminal that transmitted said code train to provide services or continue the service being provided, when said received code train conforms with said predetermined condition.

36. (New) A computer program product for controlling a computer which comprises data communication controlling means for communicating with a user terminal through a communication line, and provides a program or data to said user terminal, said computer program product comprises:

a computer readable storage medium having computer readable program code means embodied in said medium, said computer readable program code means comprising computer instruction means for:

receiving a code train transmitted from code train issuing means through the communication line;

judging whether or not said received code train conforms with predetermined condition corresponding to the code train transmitted from said code train issuing means when receiving the code train transmitted from said user terminal through the communication line; and

authorizing said user terminal to execute said program, continue the program being executed, download the program or download the data, when said received code train conforms with predetermined condition.